

Report Information

Award Type	Award Number	Prime DUNS	Calendar Year / Quarter	Final Report
Grant	DE-EE0000342	809855091	2010 / 3	No

Award Recipient Information

Recipient DUNS Number	809855091	Recipient Address 1	89 KINGS HWY
Recipient Account Number	S9031803	Recipient Address 2	
Recipient Congressional District	00	Recipient City	DOVER
Parent DUNS Number	042258020	Recipient State	DE
Recipient Type	2F.V2	Recipient ZIP Code + 4	199017305
Recipient Legal Name	NATURAL RESOURCES AND ENVIRONMENTAL CONTROL, DELAWARE DEPARTMENT OF	Recipient Country	USA
Recipient DBA Name			

Project / Award Information

Funding Agency Code	8900	Total Number of Sub Awards less than \$25,000/award	0
Awarding Agency Code	8900	Total Amount Sub Awards less than \$25,000/award	0.00
Program Source (TAS) Code	89-0331	Total Number of Sub Awards to Individuals	0
Sub Account Number for Program Source	331	Total Amount of Sub Awards to Individuals	0.00
CFDA Number	81.041	Total Number of Payments to Vendors less than \$25,000/award	0
Amount of Award	24231000.00	Total Amount of Payments to Vendors less than \$25,000/award	0.00
Award Date	07/20/2009		
Award Description	<p>Delaware proposes to use ARRA SEP funding, largely through the new Delaware Sustainable Energy Utility, in 4 program elements:</p> <ul style="list-style-type: none"> - Home energy efficiency – \$12M is dedicated to this element(an additional \$3.6M of additional investment leveraged through federal 30% tax credit for energy efficiency). This total amount of \$15.6M will allow 6,500-15,000 households to participate in the first year (range depends on financing level) and generate \$8M in annual savings. The average resident will save \$700-\$1,000 annually. Residential energy efficiency is labor intensive and has relatively low equipment costs, resulting in greater job creation than some other investments. The direct investment will generate 258 		

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new jobs, or 21.5 jobs per \$1M, while the leveraged federal tax credits will generate an additional 77 jobs (335 total).

- Business, commercial and manufacturing energy efficiency - \$4.7M is dedicated to this element (an additional \$1.4M of investment leveraged from the 30% federal tax credit for energy efficiency). This \$6.1M program will allow 500-1,000 businesses to participate and generate \$3-4.5M in annual savings. We estimate the direct investment in this project should create approximately 80 jobs (an estimated 17 jobs per \$1M). The leveraged Federal Tax credits will generate an additional 24 jobs (104 total). This project aligns with the Governor and DEDO's effort to reduce small business operating expenses.
- Statewide renewable energy funding – \$4.5M is dedicated to this element, which will leverage more than \$13.5M of private investment and 30% federal investment tax credit to allow for the installation of 2-3 MW of solar and other renewable energy projects in Delaware (e.g. ~650-700 3 KW systems). The direct spending will generate 25 jobs (5.6 jobs per \$1M), while the leveraged investment will generate 76 jobs (101 jobs total). (The jobs-to-investment ratio is lower for renewable energy than energy efficiency because of high system equipment costs.) Further, the relatively high system costs will allow fewer Delawareans to participate in the program (e.g., \$8,000 renewable energy system subsidy vs. \$1,500 energy efficiency subsidy).
- Energy efficiency in state facilities – \$1.8M is dedicated to this element to support

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efficiency upgrades in 20-50 schools that are currently ineligible for EECBG funding. This investment will generate an annual savings of more than \$1M and generate 31 jobs. Ideally, this funding will support larger energy efficiency initiatives by providing support for initial projects from which the savings can be reinvested in greater efficiency. If the schools partner with an energy efficiency provider they may be able to leverage the federal energy efficiency tax credits to expand the resources available. This program aligns with the Governor's efforts to ensure more resources are allocated to the classroom.

The objectives and goals include:

- Allow as many Delaware residents and businesses to reduce energy operating expenses. Goal: Annually upgrade ~6,500-15,000 houses & 500-1,000 businesses through SEP and ~5-10,000 households through weatherization program (~\$15-20M annual savings).
- Create jobs and economic opportunities for Delaware residents Goal: \$24 M of investment creates ~600 jobs. Reduce greenhouse gas emissions. Goal: Reduce GHG to 1990 levels by 2020 & 80% below 1990 by 2050; (SEP package= 1.5-3% reduction).
- Achieve energy conservation & efficiency targets in Delaware's proposed Energy Efficiency Resource Standards (EERS) Goal: Reduce electricity consumption by 15% by 2015 by providing access to efficiency programs and services (proportional reduction in CO2 emissions).
- Advance objectives identified in Governor's Energy Advisory

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Council. Goal: Carbon-neutral built environment by 2030. Increase use of renewable energy sources and advances clean tech innovation Goal: Advance achievement of 20% RPS earlier than 2019.

Project Information

Project Name or Project/ Program Title	State Energy Program	Activity Codes (NAICS or NTEE-NPC) (up to 10)
Quarterly Activities/ Project Description	The DNREC Delaware Energy Office continues to develop and market programs through the Sustainable Energy Utility (SEU). Applied Energy Group (AEG), contract administrator for the SEU launched several programs during this period. Incentive & Financing Programs are available for Delaware Business, Residential, Commercial & Industrial and Small Municipal Sectors. \$3.5M has been transferred to the Fiscal Administrator to capitalize loan programs for Low-Income Multi-family programs. The appliance rebate program has been a huge success and funding is being transitioned into the Efficiency Plus for Homes Program to fund HVAC appliances for homes and energy efficiency upgrades. The Residential Lighting Program is active in major retailers, ie., Home Depot, Sam's Club, Costco. 200,000+ bulbs sold so far costing \$150,000. The Green Energy Fund ARRA Relief Program	Activity Code 1 C05.02 Activity Code 2 Activity Code 3 Activity Code 4 Activity Code 5 Activity Code 6 Activity Code 7 Activity Code 8 Activity Code 9 Activity Code 10

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<p>launched to promote renewable energy systems for all Delaware ratepayers. ARRA funding for renewable projects requires Energy Audits & Efficiency improvements. This program is open to customers of all DE utilities for new and queue applicants (\$4.5M). Commercial & Industrial Lighting Assistance provides assistance to business enterprises to audit their facilities, state of the art lighting systems, replace refrigeration systems, HVAC improvements, motor & process efficiencies, and similar measures through the SEU (\$4M). Institutional Facilities Program: Efficiency services for schools & state office bldgs administered by the SEU through a shared savings model (\$2M). Numerous meetings and calls have occurred between DEO and AEG during this quarter relating to the use & tracking of ARRA funds, program progress & activity. Problems related to compliance with Davis Bacon Act (DBA) have been noted and both parties are developing a compliance plan for DBA. Compliance requirements for DBA have been a primary cause of the low utilization of ARRA SEP funding by the DEO to date.</p> <p>Project Status Less than 50% completed</p> <p>Total Federal Amount ARRA Funds Received/ Invoiced 10967014.85</p> <p>Number of Jobs 3.33</p> <p>Description of Jobs Created ARRA has help ensured the continuity of existing energy efficiency programs and help transition to the full implementation of ARRA using the Delaware Sustainable Energy Utility 3.33 jobs were created and retained as reported by DEO for administrative activities.</p>				

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Total Federal Amount of ARRA 10967014.85
Expenditure
Total Federal ARRA 0.00
Infrastructure Expenditure
Infrastructure Purpose and
Rationale

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Infrastructure Contact

Name	NA	Street Address 1	
Email		Street Address 2	
Phone		Street Address 3	
Ext		City	
		State	
		ZIP Code + 4	

Primary Place of Performance

Address 1 DNREC Delaware Energy
Office
Address 2 1203 College Park Drive
City Dover
Country Code US
State DE
ZIP Code + 4 19904 - 8703
Congressional District 00

Recipient Highly Compensated Officers

Prime Recipient Indication of Reporting Applicability	No	Officer 3 Name	
Officer 1 Name		Officer 3 Compensation	
Officer 1 Compensation		Officer 4 Name	
Officer 2 Name		Officer 4 Compensation	
Officer 2 Compensation		Officer 5 Name	
		Officer 5 Compensation	

Report Audit Trail

Created By Suzanne Sebastian
Date Created 10/07/2010 04:44 PM
Last Updated By Suzanne Sebastian
Last Updated On 10/07/2010 04:44 PM

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Sub Recipient Information

Sub Recipient DUNS Number	832797497	Sub Recipient Address 1	5301 LIMESTONE RD STE 222
Sub Recipient Congressional District	00	Sub Recipient Address 2	
Sub Recipient Type	A8.VW	Sub Recipient City	WILMINGTON
Sub Recipient Legal Name	SUSTAINABLE ENERGY UTILITY, INC.	Sub Recipient State	DE
Sub Recipient DBA Name		Sub Recipient ZIP Code + 4	198081265
		Sub Recipient Country	USA

Sub Award Information

Sub Award Number PO4001010000954
Amount of Sub Award 3500000.00
Total Sub Award Funds Disbursed 3500000.00
Sub Award Date 04/12/2010

Sub Recipient Place of Performance

Address 1 5301 Limestone Rd.
Address 2
City Wilmington
Country Code US
State DE
ZIP Code + 4 19808 - 1265
Congressional District 00

Sub Recipient Highly Compensated Officers

Prime Recipient Indication of Reporting Applicability	No	Officer 3 Name	
Officer 1 Name		Officer 3 Compensation	
Officer 1 Compensation		Officer 4 Name	
Officer 2 Name		Officer 4 Compensation	
Officer 2 Compensation		Officer 5 Name	
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Sub Recipient Type	A8.VW	Sub Recipient City	WILMINGTON
Sub Recipient Legal Name	SUSTAINABLE ENERGY UTILITY, INC.	Sub Recipient State	DE
Sub Recipient DBA Name		Sub Recipient ZIP Code + 4	198081265
		Sub Recipient Country	USA

Sub Award Information

Sub Award Number PO4001040000961
Amount of Sub Award 15630000.00
Total Sub Award Funds Disbursed 6610000.00
Sub Award Date 06/09/2010

Sub Recipient Place of Performance

Address 1 5301 Limestone Rd.
Address 2
City Wilmington
Country Code US
State DE
ZIP Code + 4 19808 - 1265
Congressional District 00

Sub Recipient Highly Compensated Officers

Prime Recipient Indication of Reporting Applicability	No	Officer 3 Name	
Officer 1 Name		Officer 3 Compensation	
Officer 1 Compensation		Officer 4 Name	
Officer 2 Name		Officer 4 Compensation	
Officer 2 Compensation		Officer 5 Name	
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Sub Recipient Information

Sub Recipient DUNS Number	943275404	Sub Recipient Address 1	11 Middleton Dr
Sub Recipient Congressional District	00	Sub Recipient Address 2	
Sub Recipient Type		Sub Recipient City	Wilmington
Sub Recipient Legal Name	Applied Energy Group, Inc.	Sub Recipient State	Delaware
Sub Recipient DBA Name	APPLIED ENERGY GROUP, INC.	Sub Recipient ZIP Code + 4	198084320
		Sub Recipient Country	US

Sub Award Information

Sub Award Number PO4001040000909
Amount of Sub Award 300000.00
Total Sub Award Funds Disbursed 300000.00
Sub Award Date 06/15/2010

Sub Recipient Place of Performance

Address 1 11 Middleton Dr.
Address 2
City Wilmington
Country Code US
State DE
ZIP Code + 4 19808 - 4324
Congressional District 00

Sub Recipient Highly Compensated Officers

Prime Recipient Indication of Reporting Applicability	No	Officer 3 Name	
Officer 1 Name		Officer 3 Compensation	
Officer 1 Compensation		Officer 4 Name	
Officer 2 Name		Officer 4 Compensation	
Officer 2 Compensation		Officer 5 Name	
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Sub Recipient DUNS Number	943275404	Sub Recipient Address 1	11 Middleton Dr
Sub Recipient Congressional District	00	Sub Recipient Address 2	
Sub Recipient Type		Sub Recipient City	Wilmington
Sub Recipient Legal Name	Applied Energy Group, Inc.	Sub Recipient State	Delaware
Sub Recipient DBA Name	APPLIED ENERGY GROUP, INC.	Sub Recipient ZIP Code + 4	198084320
		Sub Recipient Country	US

Sub Award Information

Sub Award Number PO40011040000870A
Amount of Sub Award 570000.00
Total Sub Award Funds Disbursed 349349.23
Sub Award Date 04/23/2010

Sub Recipient Place of Performance

Address 1 11 Middleton Dr.
Address 2
City Wilmington
Country Code US
State DE
ZIP Code + 4 19808 - 4324
Congressional District 00

Sub Recipient Highly Compensated Officers

Prime Recipient Indication of Reporting Applicability	No	Officer 3 Name	
Officer 1 Name		Officer 3 Compensation	
Officer 1 Compensation		Officer 4 Name	
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Vendor Information

Sub Award Number	Payment Amount	49850.00
Vendor DUNS Number	Product and Service	Leased office space
Vendor Name	Description	
Vendor HQ ZIP Code + 4		19904 - 3158

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Vendor Information

Sub Award Number	Payment Amount	190500.00
Vendor DUNS Number	Product and Service	SEP ARRA Services and
Vendor Name	Description	Incentive program
Vendor HQ ZIP Code + 4		
22031 - 1207		

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Vendor Information

Sub Award Number	Payment Amount	200345.00
Vendor DUNS Number	Product and Service	SEP ARRA Services and
Vendor Name	Description	Incentive program
Vendor HQ ZIP Code + 4		19803 - 2769

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